

WHAT IS CLAIMED IS:

1. A coated granular animal feed supplement comprising a coating formed on the animal feed supplement wherein the animal feed supplement is shielded to reduce reaction with moisture and acids and bases.
2. The feed supplement of claim 1, wherein the coating is a fat.
3. The feed supplement of claim 2, wherein the fat is a hydrogenated fat.
4. The feed supplement of claim 1, wherein the coating is 1-5% by weight of the feed supplement.
5. The feed supplement of claim 1, wherein the feed supplement is substantially potassium carbonate.
6. The feed supplement of claim 5, wherein the potassium carbonate is anhydrous.
7. A process of preparing a coated granular animal feed supplement comprising the steps of:
  - providing hydrogenated animal fat heated to a liquid form,
  - transferring the liquid hydrogenated animal fat to a container under pressure,
  - placing anhydrous potassium carbonate in a mixer,
  - applying the liquid hydrogenated fat at approximately 20-80 pounds per square inch to the anhydrous potassium carbonate in the mixer, wherein the anhydrous potassium carbonate is coated with 1 to 5% by weight of the hydrogenated fat,
  - testing the fat coated anhydrous potassium carbonate at regular intervals,

continuing coating the anhydrous potassium carbonate with the fat until the test results meet a predetermined value.

8. The process of claim 7, wherein the hydrogenated animal fat becomes liquid at approximately 180°C.

9. The process of claim 7, wherein the liquid hydrogenated animal fat is placed in a pressure tank.

10. The process of claim 7, wherein the test comprises placing 60 grams of the coated anhydrous potassium carbonate in 60 ml of water and checking the temperature every 10 seconds such that a maximum heat rise of 10-20°F over a two minute period is the predetermined value.

11. The process of claim 7, wherein the mixer containing the anhydrous potassium carbonate is rotated approximately three revolutions per minute.

12. The process of claim 7, wherein when the mixer is rotated, the anhydrous potassium carbonate in the mixer falls in a curtain-like manner, the liquid hydrogenated fat being applied to the falling anhydrous potassium carbonate.

13. The coated animal feed supplement prepared by the process of claim 7.